

Don't Sweat the Details: Let XBRL GL Do It For You

An Innovative Approach to Data
Integration - XBRL GL

About This Session

- **Many people think of XBRL as simply a way to file financial statements of public companies. But nothing could be further from the truth.**
- XBRL GL is *the* taxonomy developed and recognized by XBRL International as **THE standard** way to represent the detailed data found in accounting, business and operational systems.
- It could be called “XBRL Detailed Data” or “XBRL ERP” - and is valuable for internal, as well as external, reporting.
- More than merely standardizing a "general ledger" or representing a standard chart of accounts, XBRL GL was designed to help businesses, large AND small, to move information between, into and out from their accounting systems to integrate with external systems and share information with their accountants and external advisors.
- In this timely webcast, you will learn how XBRL GL can standardize and simplify information exchange, revolutionize business intelligence and audit, and be used today with our existing accounting software. You'll also learn why the bolt-on approach to implementing XBRL misses so many opportunities.

Agenda

- how XBRL GL can standardize and simplify information exchange
- revolutionize business intelligence and audit,
- be used today with our existing accounting software.
- You'll also learn why the bolt-on approach to implementing XBRL misses so many opportunities.

XBRL: Standardizing the Business Reporting Supply Chain

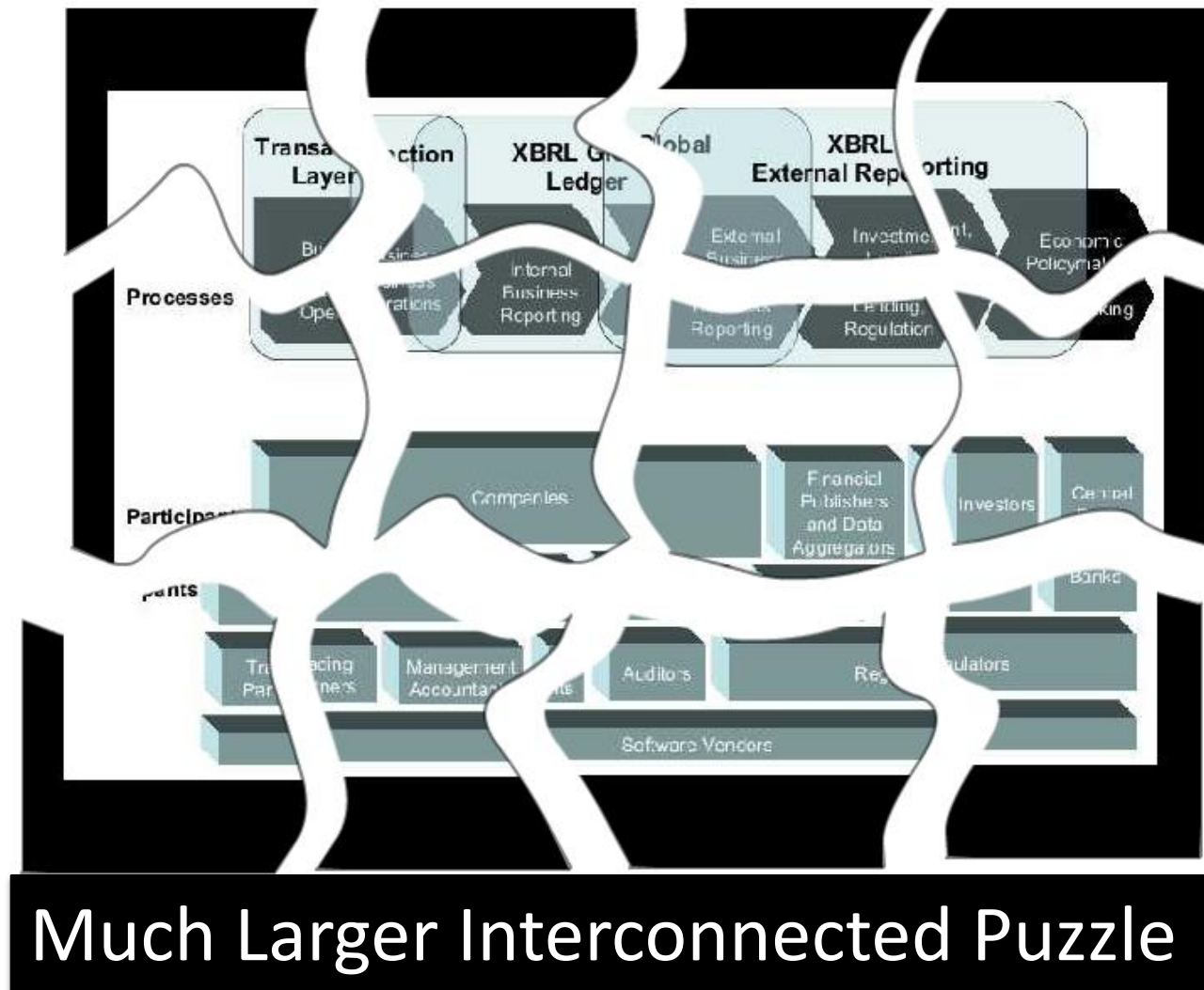
Processes



Participants



Anything But Seamless Today



Most work on their own – but the real value is when they all work together as one!

Difficult to See the Parts for the Whole



XBRL is Well-Known for



Financial Statements

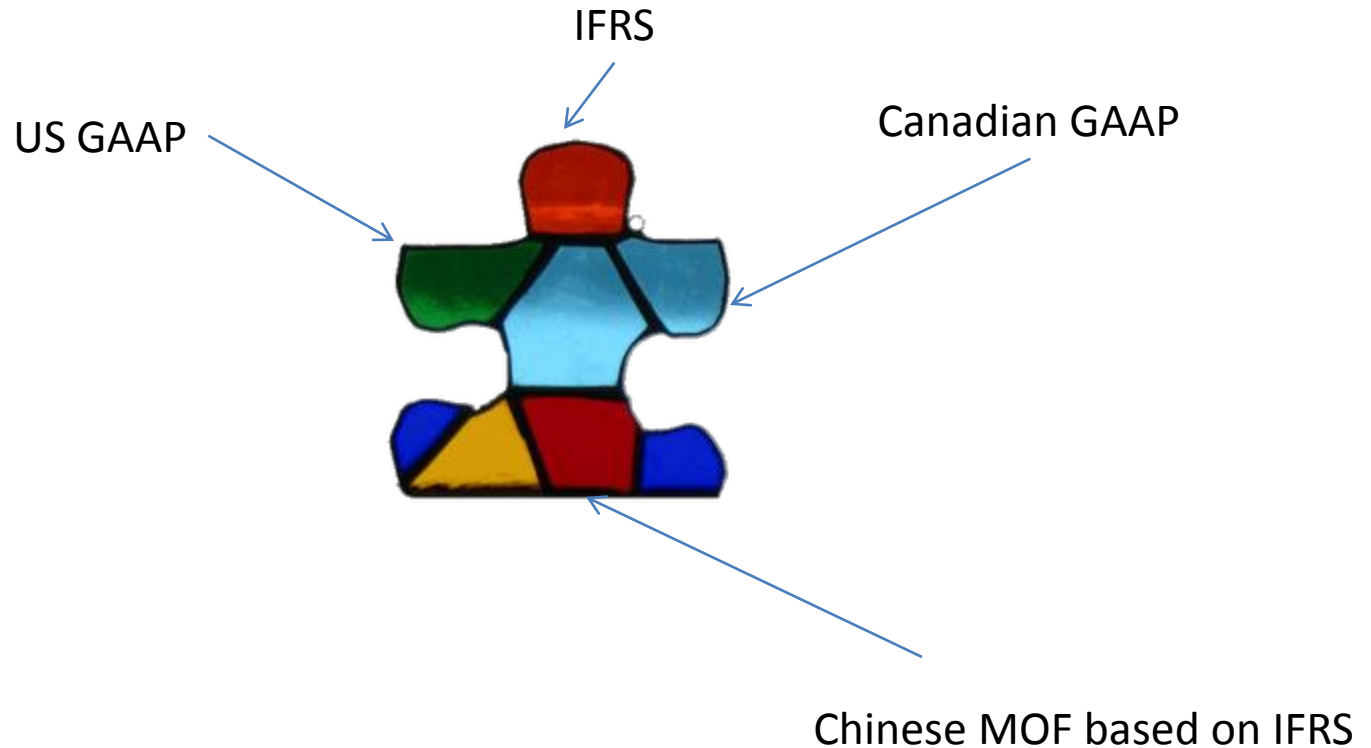



Stock exchanges




Regulatory mandates

So People Think XBRL = “Financial Statements”




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- About XBRL
- Taxonomies
- FASB US GAAP Financial Reporting Taxonomy Review
- Guidance and Supporting Documents

FASB US GAAP Financial Reporting Taxonomy Review

Proposed 2011 Taxonomy for Public Review and Comment

Review and Provide Feedback


We encourage all interested parties to review and provide feedback on the taxonomy. All comments are tracked and reviewed for potential inclusion in a subsequent taxonomy release. However, we cannot respond to individual comments.

Individuals providing comments on the taxonomy are required to register with a "user name" and email address. Please note that all comments will be visible to other registered users.


You can review and provide feedback on the entire taxonomy from the link below:

Additional Details

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TRANSFORMING BUSINESS REPORTING



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Wednesday 17 November 2010

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XBRL and IFRSs

Project news

[Click here to read the latest XBRL Update newsletter.](#)

SAVE THE DATE - 29 March 2011 Inaugural IFRS Taxonomy Convention in London

15 November 2010 IFRS Foundation publishes IFRS Taxonomy 2010 labels in Arabic

8 November 2010 IFRS Foundation publishes IFRS Taxonomy 2010 labels in Korean

5 November 2010 IFRS Taxonomy 2010 updated for enhanced derecognition disclosure requirements for transfer transactions of financial assets

10 October 2010 Interoperable Taxonomy Architecture project publishes Global Filing Manual for XBRL

24 September 2010 IFRS Foundation publishes IFRS Taxonomy 2010 labels in Spanish

5 August 2010 IFRS Taxonomy 2010 updated for latest annual Improvements to IFRSs

[Click here to see all previous news on this project.](#)

[Click here to receive IFRS XBRL email alerts \(requires eIFRS registration\).](#)

IFRSs and XBRL

Both IFRSs and XBRL are intended to standardise financial reporting in order to promote transparency and to improve the quality and comparability of business information, therefore the two form a perfect partnership.

The IFRS Foundation XBRL Team is responsible for developing and maintaining the XBRL representation of the IFRSs known as the IFRS Taxonomy. The IFRS Taxonomy is used

Related information

Click here for the IFRS Taxonomy

Click here for the IFRS Foundation XBRL Team and advisory committees

Read the Snapshot (a quick introduction to IFRSs and XBRL)

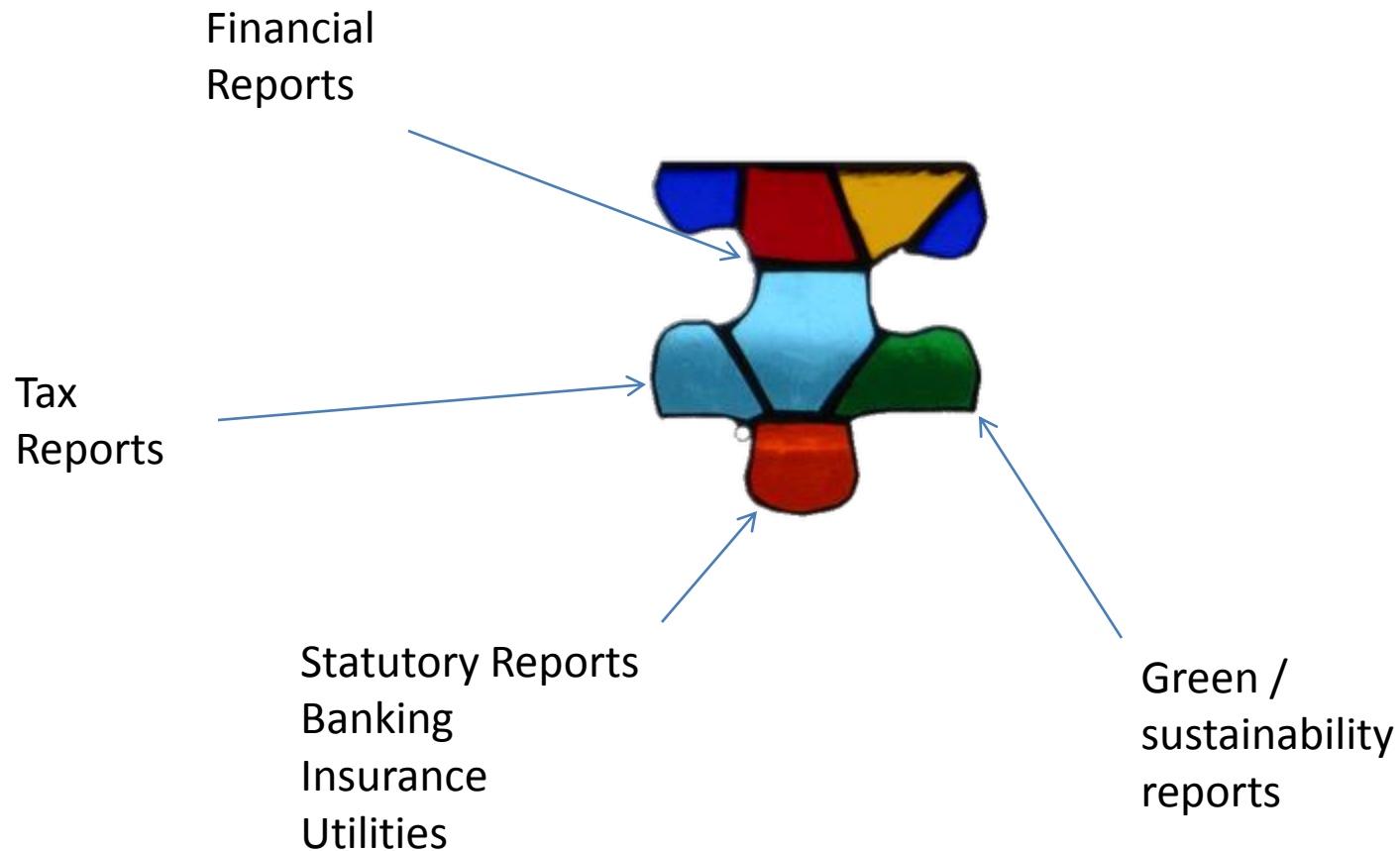
Click here for illustrative examples of financial statements and notes in XBRL

Click here for IFRS XBRL resources & support materials

Contacts Us

IFRS Foundation XBRL Team
email: xbrl@ifrs.org

Or Perhaps XBRL = External Reports



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Reporting Framework

Reporting Framework Overview

G3 Guidelines

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G3 Guidelines in XBRL

Global Reporting Initiative™

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XBRL

G3 Guidelines in XBRL

Downloads:

- * [G3 Guidelines in XBRL Taxonomy](#) (Beta version 1.0. xls) (XBRL editor software required)

Get involved:

- * [Contact GRI](#) to register your interest.

CEBS

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DOCUMENTS »

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[DRAFT COREP 2012 »](#)

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[WHY IS XBRL RECOMMENDED? »](#)



Luxembourg, 24th – 25th November 2010
(Starting at noon on 24th & ending at noon on 25th)

Venue:
Commission de Surveillance du Secteur Financier
110 route d'Arion, L-2991 Luxembourg

▼ 23 April 2010. Initial approval of architecture and strategy for the 2012 FINREP taxonomy

Please, follow the development works of the brand new 2012 FINREP taxonomy. More information [here](#).

▼ 22 October 2009. Harmonising the use of the XBRL for prudential reporting

In January 2007, the Commission launched the Action Programme on reducing administrative burdens in the European Union in order to measure administrative costs arising from legislation in the EU and reduce administrative burdens by 25% by 2012. On this page you will find more information about the background to the programme, the objectives and timeline, the fast track actions being undertaken, the baseline measurement, and the EU Standard Cost Model. In the follow-up of the report on financial supervision (de Larosière report - February 2009), most of the ideas concluded by de Larosière are endorsed (i.e. separate authorities for securities, banking and insurance), but we can also find some new elements. The system is to be based on high supervisory standards, applied equivalently, fairly and consistently; to all market actors. The current situation was characterised by enhanceable cooperation and information exchange. The new system will overcome these difficulties creating a strong Community network. More information [here](#).

EUROFILING News

[2010-07-30]

XIII European Banking Supervisors XBRL Workshop. Luxembourg, 24th-25th November 2010

» [More info](#)

[2010-09-18]

XII European Banking Supervisors XBRL Workshop. Presentations are available

» [More info](#)

» [Insert COREP/FINREP news in your website](#)

EUROFILING website

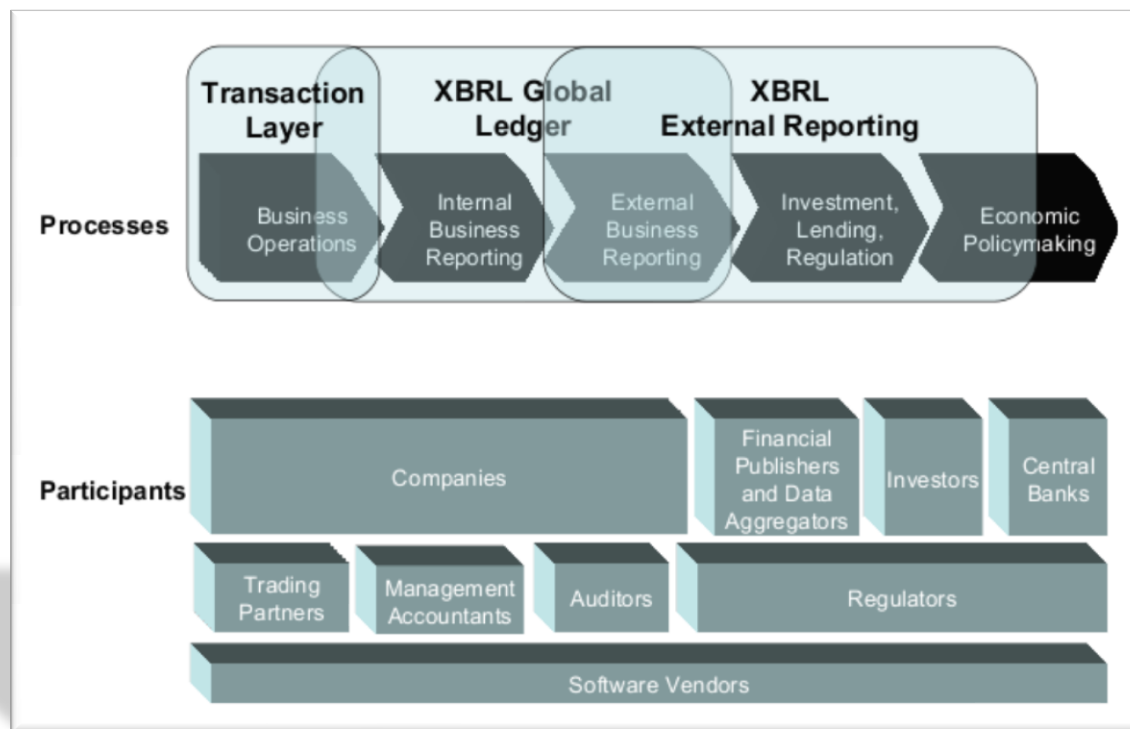
2009 stats

This project has been made possible with the financial assistance of the European Union



Most information today moves in a digital format. When searching for information on organizations or products, people often go to the internet. Companies use extensive ERP systems to manage information across units and across countries. Researchers and analysts typically have services that provide packages of reports and data sets and other information via terminals. Consumers are even turning to web-enabled devices like cell phones to answer whatever questions they have, whenever they have them.

But XBRL Was Meant for Much More



What is necessary to streamline the flow of information from first entry through to end report and beyond?

- Data – both generic details and reporting regime specific
- Rules
- Formulas
- Processes
- Audit documentation
- Instructions
- Regulations

Did You Know?

- XBRL was conceived to integrate the entire Business Reporting Supply Chain
- From first transaction through to end report
- For companies of all sizes and types
- NOT JUST FINANCIAL STATEMENTS or public filings



External (Only) Focus

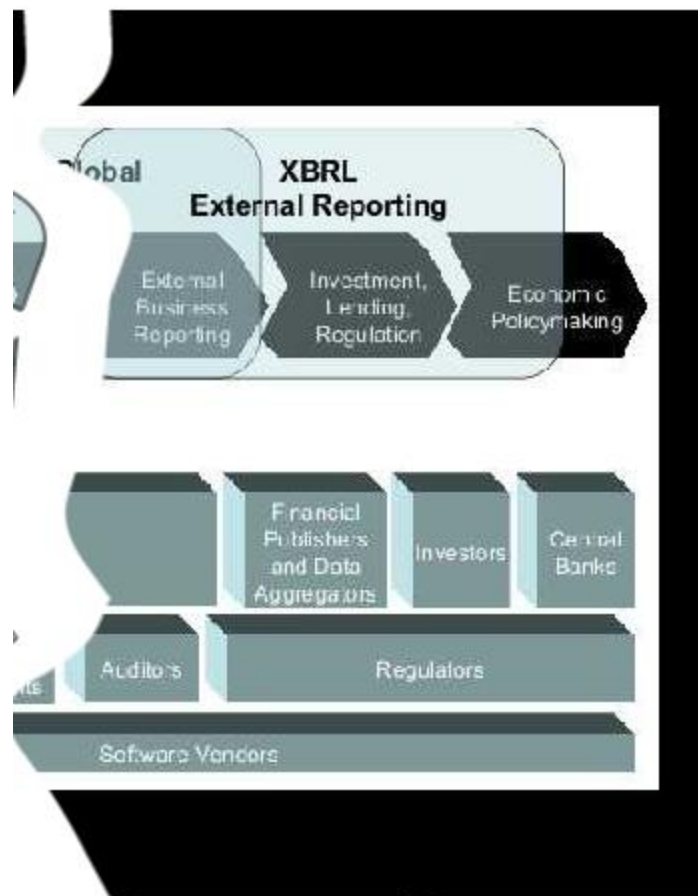
Standardized External Reporting

•Standalone benefits

- Benefits to users are relatively obvious
- SBR (Standard Business Reporting) reduces compliance burden for those who must report to more than one regulator or administrator
- Software vendors' burden can also be reduced

•Standalone limitations

- GIGO/PTCP¹: what process improvements are there related to the development of the reporting information?



“Bolt-On” Approach

- After-the fact has potential value for reuse of information
- After-the-fact may provide some benefit toward collection
- Still just the tip of the iceberg

How Do You Improve the Input?

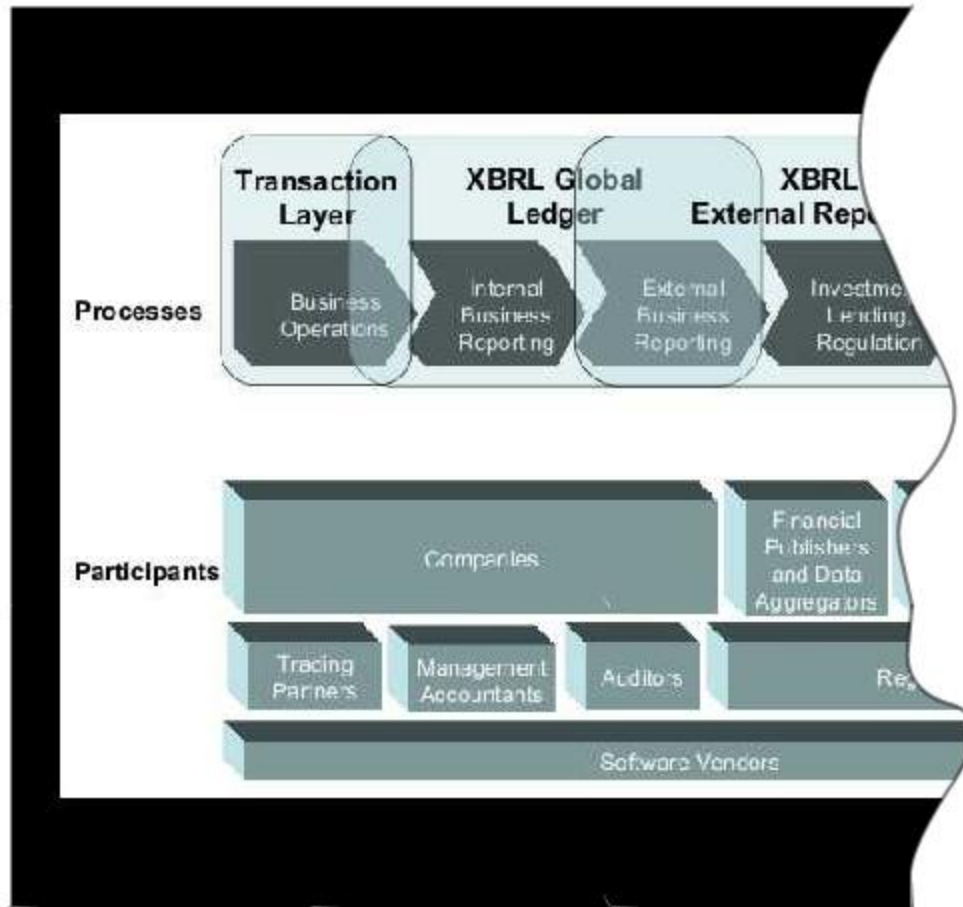
- Improve quality of source data
- Increase speed of collection of underlying data
- Facilitate gathering and movement of greater amounts of detail
- Facilitate **reconciliations** between different reporting
- Concentrate on both the tip of the iceberg ... and the rest.



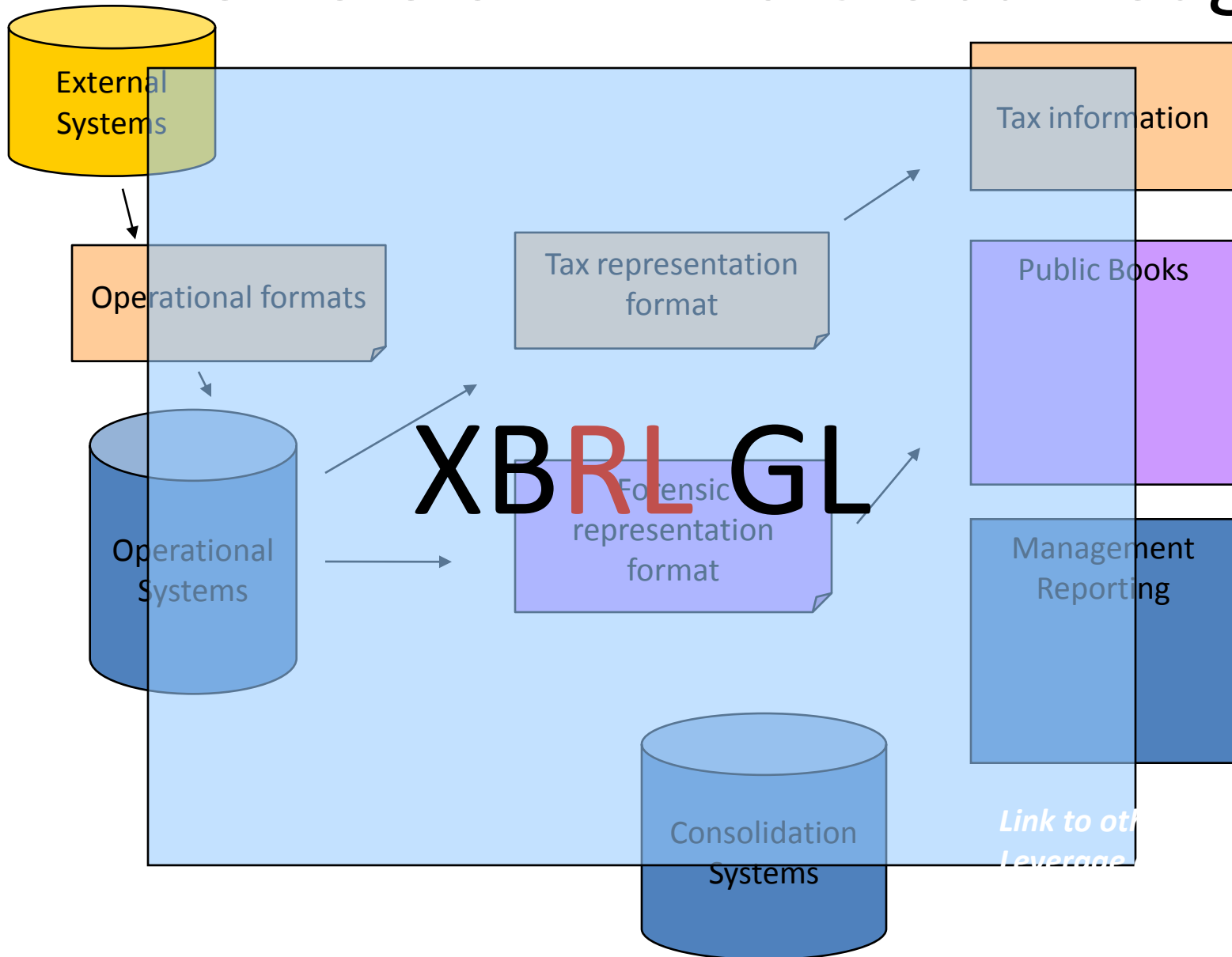
XBRL's Roots Are In the Details

- From “Highlights” of Initial XFRML Steering Committee, 10/14/99
 - [XFRML] should have its roots in the "Audit Supply Chain." XFRML as technical standard for seamless process of exchange across all audit processes.
 - Our opportunity is to address things internationally at the level **below the financial reporting level** since there is more commonality at that level.

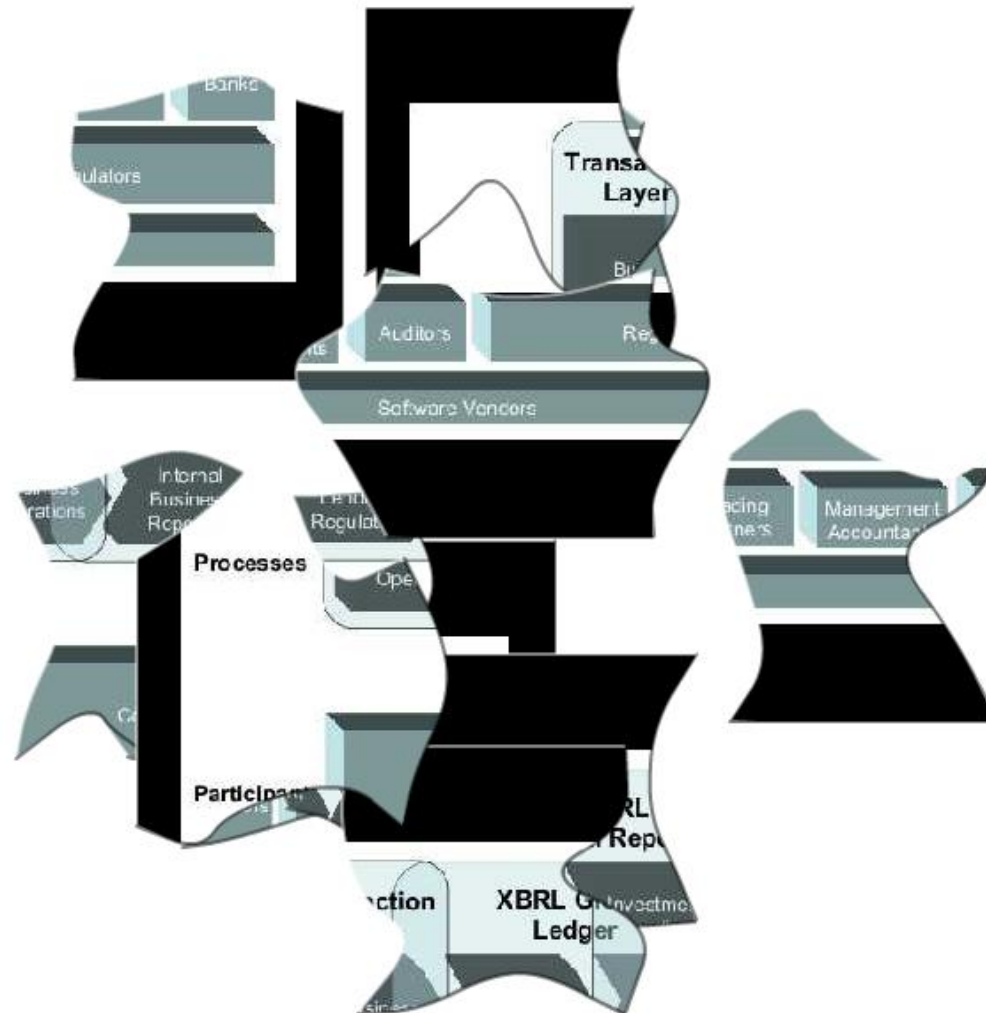
We Need to Standardize the Rest



The Role of XBRL's Global Ledger



XBRL: Technical Glue; XBRL GL: Semantic Glue



What is XBRL GL?

A bridge:

An artificial structure that spans a gap or crosses an obstruction permitting two way traffic. Although other solutions (ferry, driving around the obstacle) are possible, the bridge can bring new, more scalable efficiencies.



The "G" is GLOBAL ... not (just) "general"

Role of XBRL GL

- Streamline the information supply chain
- Management: drill-down
- Planning: drill-up, estimates early in process
- Build foundations for audit supply chain of financials and extra-financials information supply chain

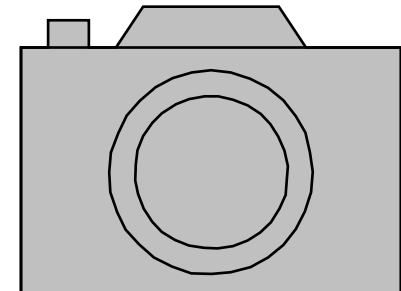
Perils of Detail Loss

- Lollipops
 - Horehound
 - Clove



Product	Quantity
Cherry	1,000
Lemon	1,000
Orange	1,000
Root Beer	500
Clove	2
Horehound	2

Polaroid Swinger
It's only \$19.95



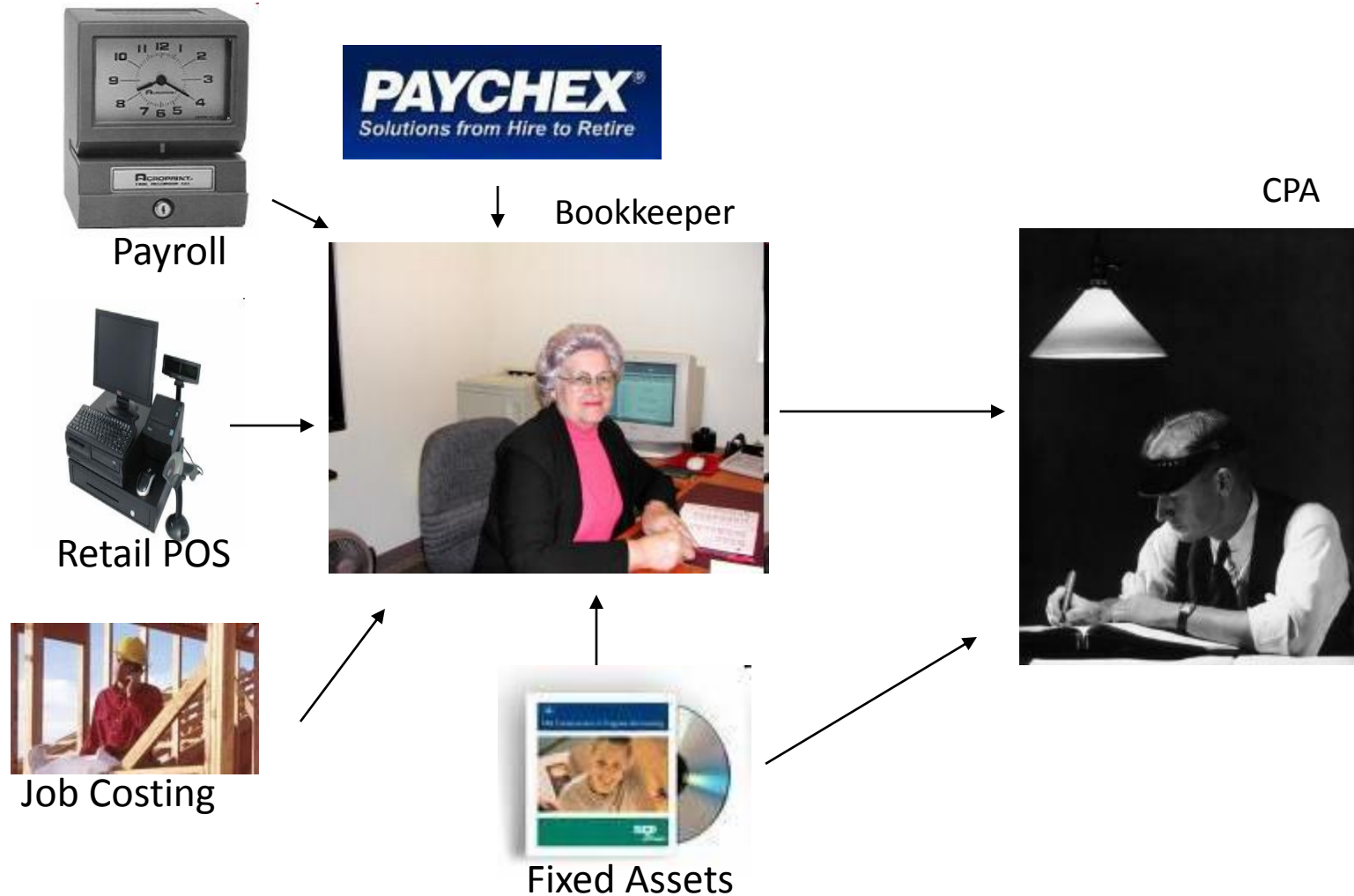
Peril of Detail Loss (cont.)

- Part 1: The Transaction
 - I'd like to order 1,000 item X123-4
 - We are completely out; can you use X122-5 – it's almost the same?
 - Well ... maybe I can get by for a while; but I will only take 200 hoping I can find them elsewhere.

Peril of Detail Loss (cont.)

- Part 2: The Analysis
 - What should we order for the upcoming season?
 - Let's look at what we sold
 - 200 units of X122-5
 - 0 units of X123-4
 - Looks like we should stock up on X122-5 and forget about X123-4 this year again!

Personal Catalyst



```

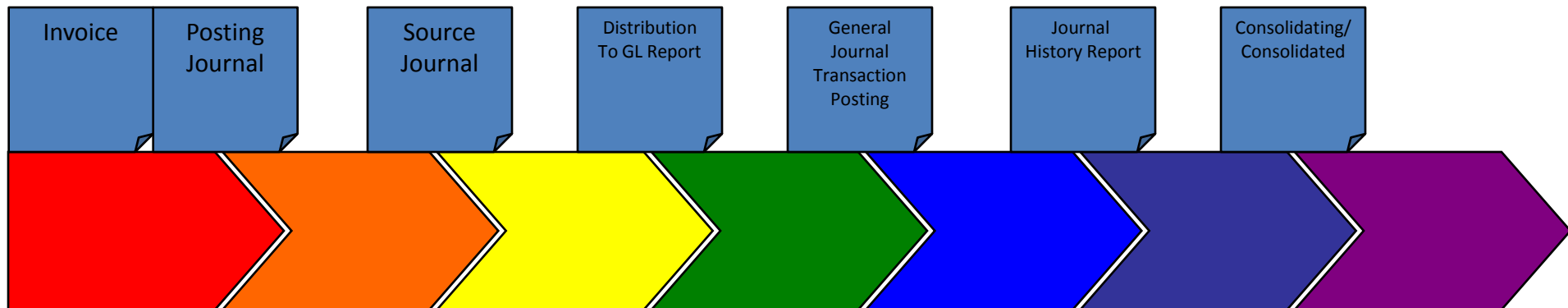
<gl-cor:entryDetail>
  <gl-cor:lineNumber contextRef="now">2</gl-cor:lineNumber>
  <gl-cor:account>
    <gl-cor:accountMainID contextRef="now">1200</gl-cor:accountMainID>
    <gl-cor:accountMainDescription contextRef="now">Accounts Receivable</gl-
cor:accountMainDescription>
    <gl-cor:mainAccountType contextRef="now">asset</gl-cor:mainAccountType>
    <gl-cor:accountPurposeCode contextRef="now">usgaap</gl-cor:accountPurposeCode>
  </gl-cor:account>
  <gl-cor:amount contextRef="now" decimals="2" unitRef="usd">300</gl-cor:amount>
  <gl-cor:postingDate contextRef="now">2005-06-30</gl-cor:postingDate>
  <gl-cor:identifierReference>
    <gl-cor:identifierCode contextRef="now">1130</gl-cor:identifierCode>
    <gl-cor:identifierType contextRef="now">V</gl-cor:identifierType>
  </gl-cor:identifierReference>
  <gl-cor:documentType contextRef="now">voucher</gl-cor:documentType>
  <gl-cor:documentNumber contextRef="now">51029</gl-cor:documentNumber>
  <gl-cor:documentReference contextRef="now">Voucher#: 100900 </gl-cor:documentReference>
  <gl-cor:documentDate contextRef="now">2005-06-15</gl-cor:documentDate>
  <gl-bus:documentLocation contextRef="now">Fred's desk drawer.</gl-bus:documentLocation>
  <gl-cor:maturityDate contextRef="now">2005-07-15</gl-cor:maturityDate>
  <gl-cor:terms contextRef="now">2% 10 Net 30</gl-cor:terms>
  <gl-bus:measurable>
    <gl-bus:measurableCode contextRef="now">IN</gl-bus:measurableCode>
    <gl-bus:measurableID contextRef="now">Gidget3</gl-bus:measurableID>
    <gl-bus:measurableQuantity contextRef="now" decimals="2" unitRef="NotUsed">15</gl-
bus:measurableQuantity>
    <gl-bus:measurableUnitOfMeasure contextRef="now">Each</gl-bus:measurableUnitOfMeasure>
    <gl-bus:measurableCostPerUnit contextRef="now" decimals="2" unitRef="usd">20</gl-
bus:measurableCostPerUnit>
  </gl-bus:measurable>
</gl-cor:entryDetail>

```

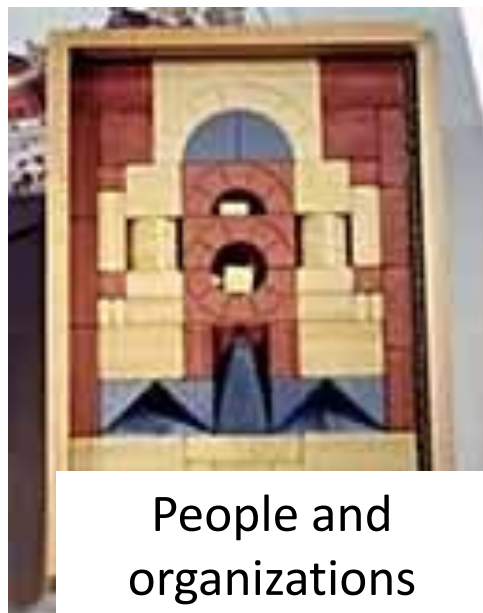
standardizes account, amount, date ... plus much more

XBRL GL: Represent Flow

1. **Trigger:** a source document is represented electronically
2. **Source Journal** The document is entered and posted, creating a source journal.
3. **Journal entries:** The accounting implications are gathered and prepared for the GL.
4. **GL Entries:** the journal entries are prepared for posting to the GL.
5. **Journal History:** The entries are posted to the Journal History.
6. **Consolidation:** The data at journal entry or trial balance level are brought together.
7. **Reporting:** Consolidated numbers combine for eventual reporting.



XBRL GL: Building Blocks to Standards



XBRL GL Can Represent

- Setup files, like reporting calendars or mappings between subsidiary and headquarters charts of accounts for consolidation purposes;
- Master files, such as Chart of Accounts, Customer, Vendor and Employee master files, Inventory master files;
- Transaction files and reports, such as sales or purchases journals, job costing reports, fixed assets journals, payroll journal;
- General Ledger entries;
- Summary Reports, such as AR/AP aging, Inventory Stock status, Trial Balance, book/tax reconciliations.

Setup Files

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml version="1.0" encoding="utf-8"?>
<xbrli:xbrl ... xsi:schemaLocation="http://www.xbrl.org/int/gl/plt/2006-10-25 ../plt/case-c-b/gl-
plt-2006-10-25.xsd">
<xbrli:schemaRef ... xlink:href="../plt/case-c-b/gl-plt-2006-10-25.xsd"/>
  <xbrli:context id="now">
    <xbrli:entity>...</xbrli:entity>
    <xbrli:period><xbrli:instant>2009-05-31</xbrli:instant></xbrli:period>
  </xbrli:context>

<!-- Information about a calendar as a whole goes here -->
<gl-cor:accountingEntries>
  <gl-cor:entityInformation>
  <gl-bus:reportingCalendar>
    <gl-bus:reportingCalendarCode contextRef="now">SC2009</gl-
bus:reportingCalendarCode>
    <gl-bus:reportingCalendarDescription contextRef="now">Standard Calendar
2009</gl-bus:reportingCalendarDescription>
    <gl-bus:reportingCalendarTitle contextRef="now">Fiscal YE 2009</gl-
bus:reportingCalendarTitle>
    <gl-bus:reportingCalendarPeriodType contextRef="now">4-5-4</gl-
bus:reportingCalendarPeriodType>
    <gl-bus:reportingCalendarOpenClosedStatus contextRef="now">open</gl-
bus:reportingCalendarOpenClosedStatus>
    <gl-bus:reportingPurpose contextRef="now">book</gl-bus:reportingPurpose>

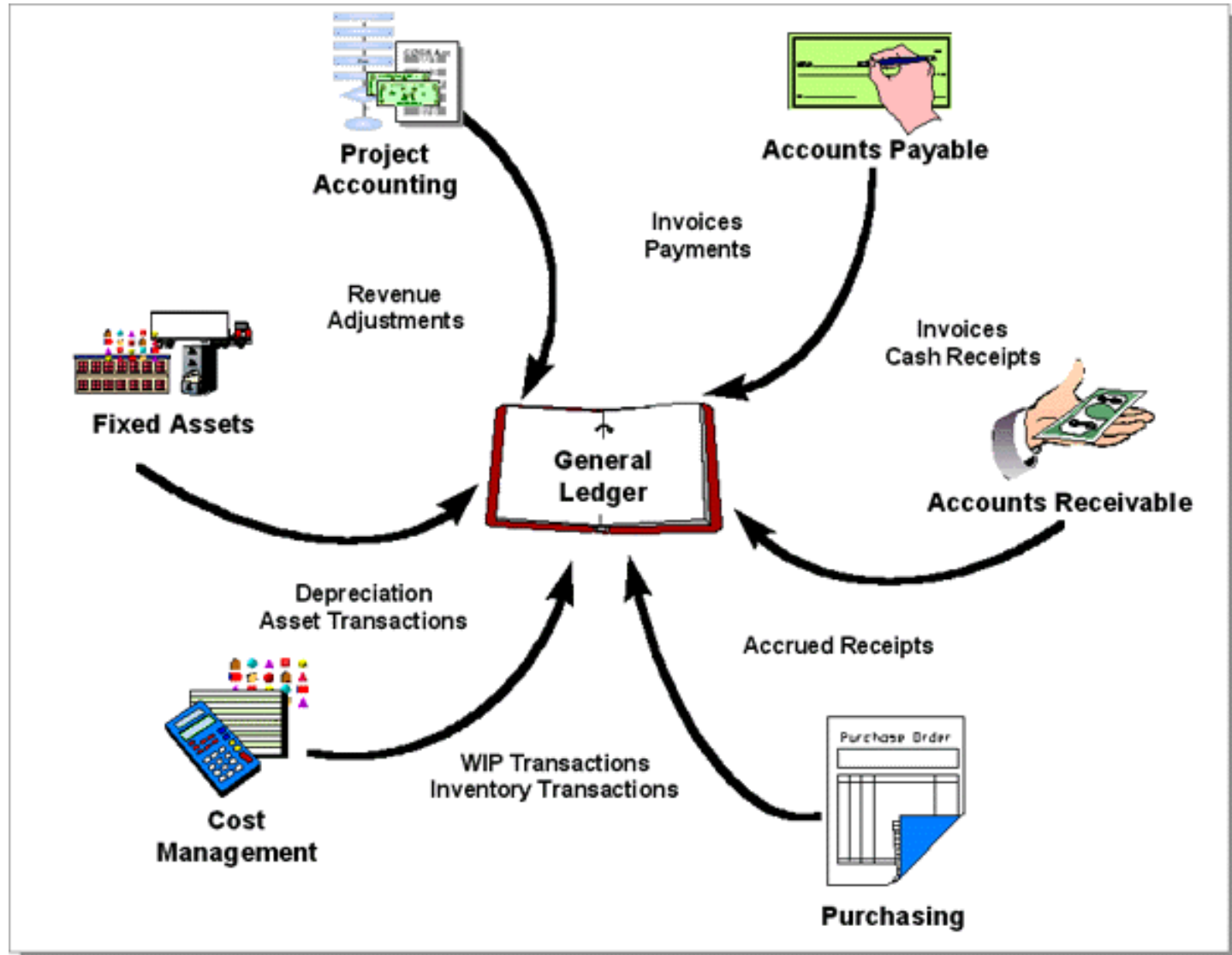
<!-- Information about an individual period goes here -->
  <gl-bus:reportingCalendarPeriod>
    <gl-bus:periodIdentifier contextRef="now">1</gl-bus:periodIdentifier>
    <gl-bus:periodDescription contextRef="now">January</gl-bus:periodDescription>
    <gl-bus:periodStart contextRef="now">2009-01-01</gl-bus:periodStart>
    <gl-bus:periodEnd contextRef="now">2009-01-31</gl-bus:periodEnd>
    <gl-bus:periodClosedDate contextRef="now">2009-02-22</gl-bus:periodClosedDate>
  </gl-bus:reportingCalendarPeriod>

...
```

- Reporting calendars
- Warehouses
- Tax Codes
- Sales personnel
- And other standard code sets used in master files

- No accounts or dollars in sight!
- No need to create new taxonomies!

More Than a “General Ledger”



More Than “Accounting” Details

- Historical
- Current
- Predictive

- Operational
- Statistics
- Statutory
- Tax
- Sustainability
- Environmental



- Management
- Governance, including
 - Risks, controls, tests

Not Just “Accounting”

- Inventory, supplies, services, processes, measures
- People, entities and organizations
- Documents and entries
- Ledgers and sub-ledgers
- KPIs – financial and non-financial
- Carbon credits
- Standardized controls leveraging third-party taxonomies
- XBRL FR instances

Reconciliation and Convergence

```

<gl-cor:entryDetail>
  <gl-cor:account>
    <gl-cor:accountMainID contextRef='now'>1000</gl-cor:accountMainID>
    <gl-cor:accountMainDescription contextRef='now'>Cash and deposits </gl-
cor:accountMainDescription>
    <gl-cor:mainAccountType contextRef="now">asset</gl-cor:mainAccountType>
    <gl-cor:accountPurposeCode contextRef="now">tax</gl-cor:accountPurposeCode>
    <gl-cor:accountPurposeDescription contextRef="now">GIFI
  </gl-cor:accountPurposeDescription>
    <gl-cor:accountType contextRef="now">account</gl-cor:accountType>
  </gl-cor:account>

<gl-cor:xbrlInfo>
<gl-cor:summaryReportingElement contextRef='r
cor:summaryReportingElement>
</gl-cor:xbrlInfo>

<gl-cor:xbrlInfo>
<gl-cor:summaryReportingElement contextRef='r
cor:summaryReportingElement>
</gl-cor:xbrlInfo>

</gl-cor:entryDetail>

```

Trial Balance

	Account	Description	Amount	D/C	Date
Select	1080	Bank: Current	115,218	D	04/21/2008
Select	1100	Bank: Payroll	70,337	D	04/21/2008
Select	1200	Accounts Receivable	519,356	D	04/21/2008
Select	1520	Inventories	1,206,918	D	04/21/2008

CA-GAAP Financial Statements

Element name	Value	Selected
CashCashEquivalents	185,555	
AccountsReceivableTradeGross	519,356	
InventoriesNet	1,206,918	

IFRS Financial Statements

Element name	Value	Selected
CashAndCashEquivalents	185,555	
TradeAndOtherReceivablesGrossCurrent	519,356	
NotAssigned	1,206,918	

XBRL GL and “Measurables”

Measurable

- ☐ A-Z Measurable Code
- ☐ A-Z Measurable Code Description
- ☐ A-Z Measurable Category
- ☐ A-Z Measurable Identification
- ☐ A-Z Schema for Measurable Identification
- ☐ A-Z Secondary Measurable Identifier
- ☐ A-Z Schema for Secondary Measurable Identification
- ☐ A-Z Measurable Description
- ☒ 0-9 Quantity
- ☐ A-Z Qualifier
- ☐ A-Z Unit of Measure
- ☒ Per Unit Cost/Price
- ☐ A-Z Start Time
- ☐ A-Z End Time
- ☐ A-Z Measurable Active

Enumerated field, such as IN (inventory), KPI, FA (fixed assets), and OT (other)

Freeform field, works with OT (other) enumeration, for other kinds of data.

Textual field for qualitative information, used on its own or with a classification, code or category

Measurables

- Generic power to represent ANYTHING you can measure, without the need to extend
- See Working Group Note

Supporting Generic Growth: The Measurable Structure as Attribute Holder 1.0

Working Group Note 03 June 2009

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This version:

<http://www.xbrl.org/WGN/Attributes/WGN-2009-06-03/Attributes-WGN-WGN-2009-06-03.html>

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Status

Circulation of this Working Group Note is unrestricted. Other documents may supersede this document. Recipients are invited to submit comments to gl-feedback@xbrl.org, and to submit notification of any relevant patent rights of which they are aware and provide supporting documentation.

Abstract

A discussion on how to use existing XBRL GL structures to capture attributes when there is no exact match among existing XBRL GL data fields, and about philosophical issues related to expanding the XBRL GL taxonomy.

If there's a code, you can “measurable” it

```
<gl-bus:measurable>  
  <gl-bus:measurableCode contextRef="na">OT</gl-bus:measurableCode>  
  <gl-bus:measurableID contextRef="na">longitude</gl-bus:measurableID>  
  <gl-bus:measurableIDSchema contextRef="na">http://www.opengis.net/kml/2.2</gl-  
bus:measurableIDSchema>  
  <gl-bus:measurableQualifier contextRef="na">52.30987222</gl-bus:measurableQualifier>  
  <gl-bus:measurableStartDateTime contextRef="na">2009-06-01T08:35:13+01:01</gl-  
bus:measurableStartDateTime>  
</gl-bus:measurable>
```

Example: Inventory

INVENTORY

An inventory item, 5 pound Chocolate Walnut Fudge, is internally identified as Item #4567 but has an ID of FUD109 by the primary vendor. It is stocked by the pound.

Measurable	Required
measureableCode	IN (inventory)
measurableID	4567
measurableIDOther	FUD109
measurableDescription	5 pound Chocolate Walnut Fudge
measurableUnitOfMeasure	Lb

Example: Fixed Assets

FIXED ASSETS

The business retired a 1986 Chevrolet Corvette. This can be associated with the depreciation information in the depreciationMortgage section.

Measurable	Required parent
measureableCode	FA (Fixed Asset)
measurableID	AUTO-86-CHEV-CORV
measurableIDOther	Convertible • Chevrolet • Corvette • 1986 Convertible 2D
measurableIDOtherSchema	http://www.kbb.com
measurableDescription	1967 Chevrolet Corvette
measurableQuantity	-1

Example: Services

SERVICES

The employer identified in the identifierReference section works 24 hours as Class A labor and takes 20 hours of vacation.

measurable	Required parent #1	Required parent #2
measureableCode	SV	SV
measurableID	Class A	Vacation
measurableDescription	Class A labor	Vacation time
measurableQuantity	24	20
measurableUnitOfMeasure	hours	Hours

Example: Metrics

KPI, Metrics, Value Reporting, Balance Scorecard

Company wants to track the accounts payable process, including the 2,800 invoices printed, the 400 calls associated with collecting the money, the two officers indicted for buying \$6,000 shower curtains and the 3 spotted owls protected during the current period.

measurable	Required parent #1		Required parent #2	
measureableCode	KPI	measurable	Required parent #3	Required parent #4
measurableID	AP	measureableCode	KPI	KPI
measurableIDSchema	www	measurableID	OfficerIndict	SpottedOwlProtection
measurableIDOther		measurableIDSchema		
measurableIDOtherSchema		measurableIDOther	Corp_Off_Indict_Curr-per	
measurableDescription	Num	measurableIDOtherSchem	www.globalreporting.org	
measurableQuantity	2800	a		
measurableUnitOfMeasure		measurableDescription	Number of officers indicted	Number of spotted owls protected
		measurableQuantity	2	3
		measurableUnitOfMeasure		

Even *Qualitative* Data

Guests staying at the historic *Las Lieder Inn* were asked to rate the quality of their accommodations: “excellent”, “above average”, “average”, “below average” or “poor”. The ratings, provided by a sample of 20 guests, are shown here.

Below Average
Above Average
Above Average
Average
Above Average
Average
Above Average
Average
Above Average
Below Average
Poor
Excellent
Above Average
Average
Above Average
Above Average
Below Average
Poor
Above Average
Average

```

<gl-cor:accountingEntries>
  <gl-cor:documentInfo>
    <gl-cor:entriesType contextRef="now">other</gl-cor:entriesType>
  </gl-cor:documentInfo>
  <gl-cor:entryHeader>

    <gl-cor:entryDetail>
      <gl-cor:lineNumber contextRef="now">1</gl-cor:lineNumber>
      <gl-cor:postingDate contextRef="now">2009-12-01</gl-cor:postingDate>
      <gl-bus:measurable>
        <gl-bus:measurableCode contextRef="now">OT</gl-bus:measurableCode>
        <gl-bus:measurableCodeDescription contextRef="now">Opinion Poll</gl-bus:measurableCodeDescription>
        <gl-bus:measurableCategory contextRef="now">Satisfaction Poll</gl-bus:measurableCategory>
        <gl-bus:measurableQualifier contextRef="now">Below Average</gl-
bus:measurableQualifier>
      </gl-bus:measurable>
    </gl-cor:entryDetail>

    <gl-cor:entryDetail>
      <gl-cor:lineNumber contextRef="now">2</gl-cor:lineNumber>
      <gl-cor:postingDate contextRef="now">2009-12-01</gl-cor:postingDate>
      <gl-bus:measurable>
        <gl-bus:measurableCode contextRef="now">OT</gl-bus:measurableCode>
        <gl-bus:measurableCodeDescription contextRef="now">Opinion Poll</gl-bus:measurableCodeDescription>
        <gl-bus:measurableCategory contextRef="now">Satisfaction Poll</gl-bus:measurableCategory>
        <gl-bus:measurableQualifier contextRef="now">Above Average</gl-
bus:measurableQualifier>
      </gl-bus:measurable>
    </gl-cor:entryDetail>

    ...
  </gl-cor:accountingEntries>

```



Misconceptions

- XBRL GL standardizes the chart of accounts; it is a more detailed, jurisdiction-independent chart of accounts
- XBRL GL is the XBRL version of a **General Ledger**
- XBRL GL primary, if not only, focus is on **accounting** information – the debits and credits of journal entries

ifrs:CashCashEquivalents

1000 Cash

1010 Payroll

1020 Deposits

Chart of Accounts

Journal Entries

Trial Balance

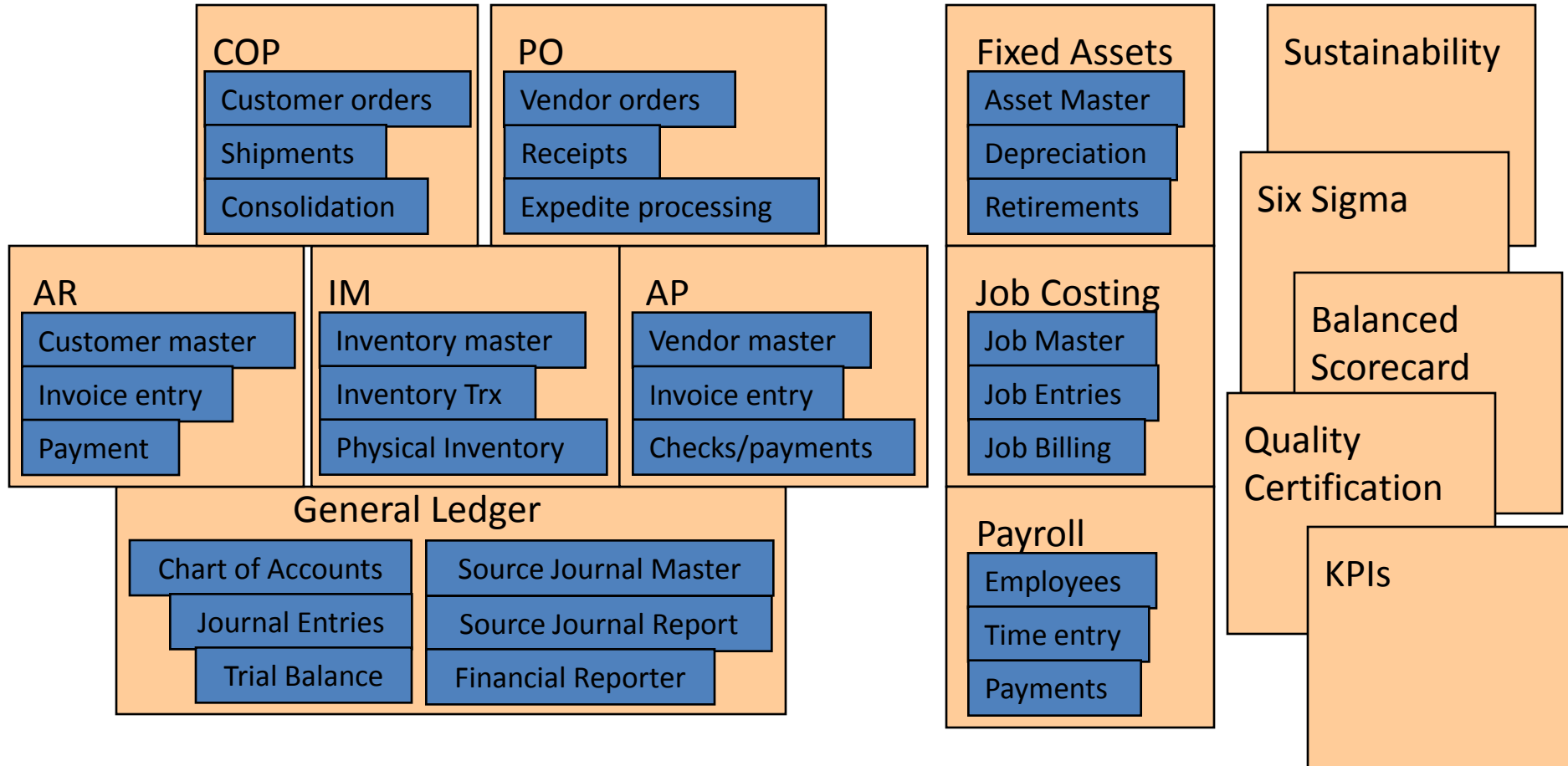
Source Journal Master

Source Journal Report

Financial Reporter

a/c 1200		a/c 5100	
Dr	Cr	Dr	Cr
€ 299.99			€ 299.99

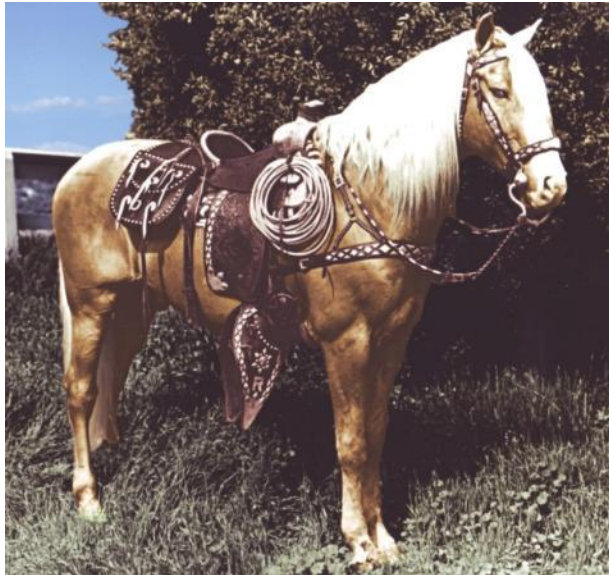
In Fact



In Fact

a/c 1200		a/c 5100	
Dr	Cr	Dr	Cr
€ 299.99			€ 299.99

Accounting +
Operational detail +
Anything else starting
at a document or
business event or
business trigger



Trigger – but not a “business” trigger



Misconceptions

- XBRL GL is a set of programs that replaces an enterprise's accounting systems or financial statement reporter
- XBRL GL makes ERP, ETL and other applications obsolete
- XBRL GL owns a café in Beijing.



In Fact

- There is no logic in XBRL GL ... but you can add logic with XBRL Formula as well as standard XML rules languages, such as RuleML
- XBRL GL makes ETL and ERP more useful
- Applications have arisen based on XBRL GL, but they are NOT XBRL GL.

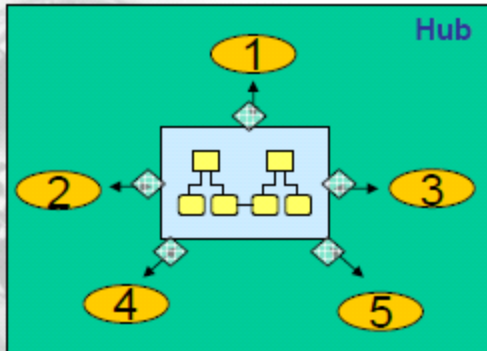
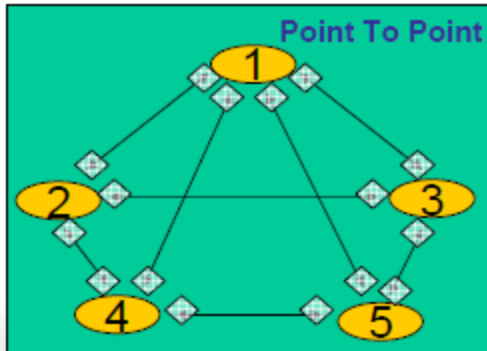
In Reality

- XBRL GL, as it continues to grow, represents the *data fields* of an ERP system, not the entries of a chart of accounts
- GL is *Global* both in terms of regions/jurisdictions and ledger/subledger
- XBRL GL is not limited to “account, amount, date”, but also the details of documents, resources, parties, taxes, jobs and much more – quantitative *and* qualitative

The N-Squared Problem

What's wrong with application-specific business languages ?

Message Strategy



N	C_{p2p}	A_{p2p}	C_{hub}	A_{hub}
2	1	2	2	2
3	3	6	3	3
4	6	12	4	4
5	10	20	5	5

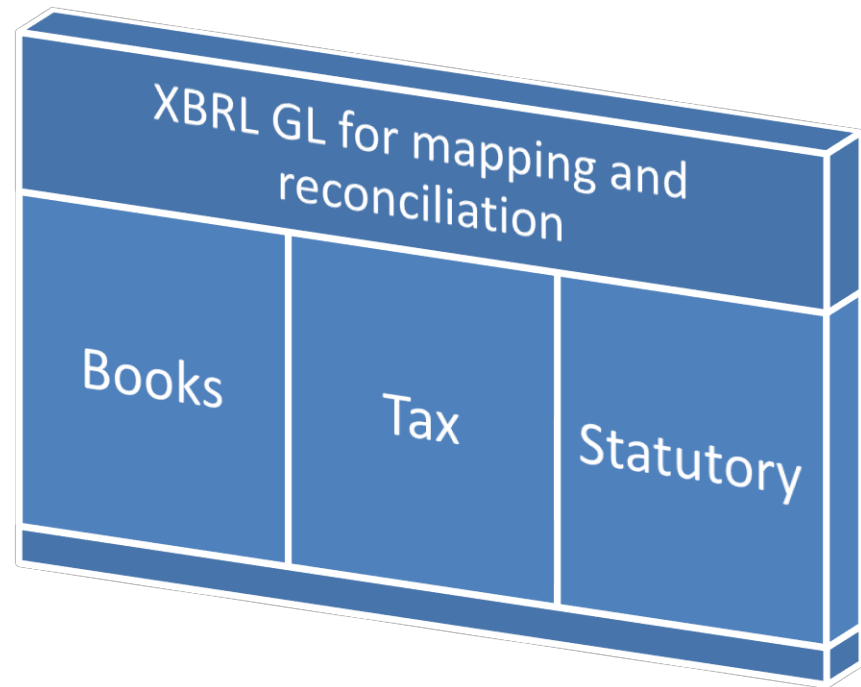
- N – no. of systems to connect
- C – no. of connections
- A – no. of adapters/translations
- Assumption: each system has and communicates in its own language
- Hub Architecture Pattern reduces the number of direct physical connections among communicating systems
- Similarly, a common language is a **logical** Semantic Data Hub that reduces the number of translations needed among communicating systems.

◊ Adapter/Translation

Standards
alphabet
soup



Appears Throughout the Stack

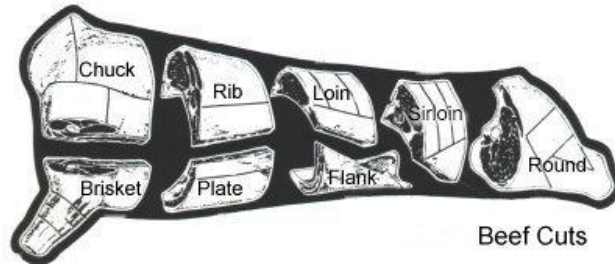


What is the Potential ROI?

Enhanced compliance and control processes via automation potentially reducing cost and time by 25% or more¹.

<u>Current Processes</u>	<u>Enhanced Processes</u>
Manual aggregation via spreadsheets	Automated Aggregation with embedded validation/analytics
Manual disclosure assembly via two separate manual processes	Automated Assembly via a single process
Multiple aggregation processes	Single Aggregation Process
Manual review of separate draft document versions	Collaborative review of single document (e.g. Wikipedia style)
Document review of linear electronic paper	Contextual review of relevant disclosures
Reinvestment to replicate system controls with each system change	Preservation of system controls and investment with each system change

¹ – Journal of Accounting Article [“ROI on XBRL”](#)



FOOD

productiondaily.com | europe

Breaking News on Food Processing & Distribution

Previous page : [Dioxin crisis widens](#)

Dioxin crisis widens in Belgium, Netherlands, Germany

02/02/2006 - Europe's dioxin crisis has widened, with Belgium, the Netherlands and Germany placing quarantine on poultry producers that received contaminated meat.

The dioxin contamination, not only affects the meat of the birds, but also marks another European food scare that may affect their meat.

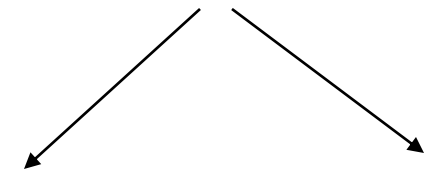
The threat of avian influenza has already hit poultry consumption in some countries, while the beef industry is starting to recover from fears over BSE and food-and-mouth disease.

[Print](#)

More than
"accounting"

Tax XML

SBR



Tax XML



XBRL GL For

- Superior exercise of corporate governance
 - Application of centralized business rules over all systems
- Facilitated internal (and external) audit
 - One set of tools, one set of procedures
- Managing enterprise risk

GRC-XML



OCEG[®]

DRIVING PRINCIPLED PERFORMANCE™



XBRL For Internal Use

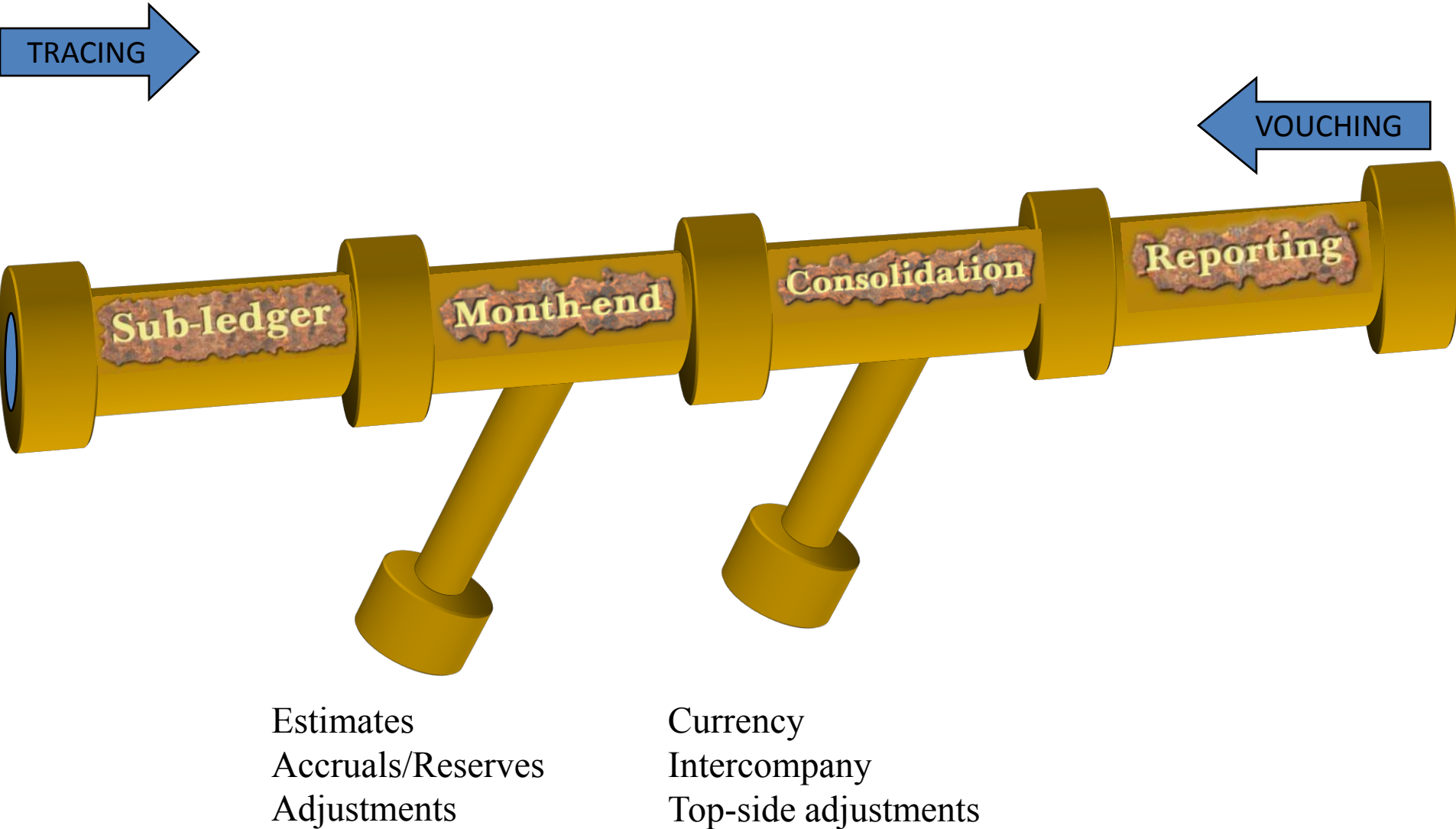
- In all these areas, opportunities come from
 - Elimination of one-way interfaces between systems
 - Elimination of manual reconciliation processes at all levels of data integration/summarization
 - Seamless traceability of any information to its source
 - Reusability of consistent templates for visualization, validation, and analysis across applications/business units
- No tight coupling between data, key processes related to data such as validation, reconciliation and analysis, and applications where the data is stored

Right Tool for the Right Job

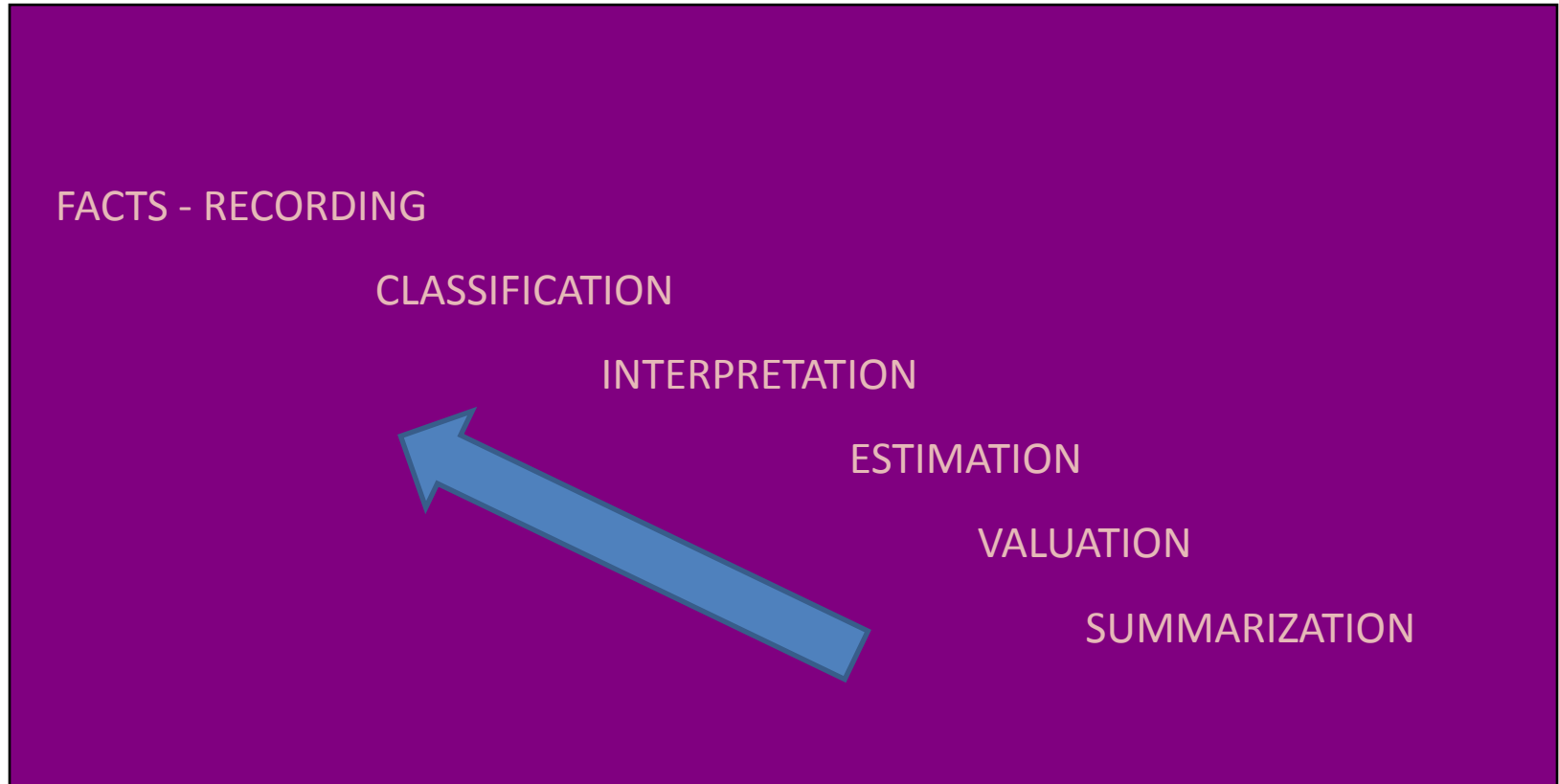
George Sorter's events-based accounting (1969) argued that one-size does *not* fit all and that giving users access to more detailed information would enable them to choose the information they wanted to focus on for their specific purposes rather than be constrained by one general-purpose presentation of information.

But does detail mean it is even easier to hide in plain sight?

Aerodynamic Information?



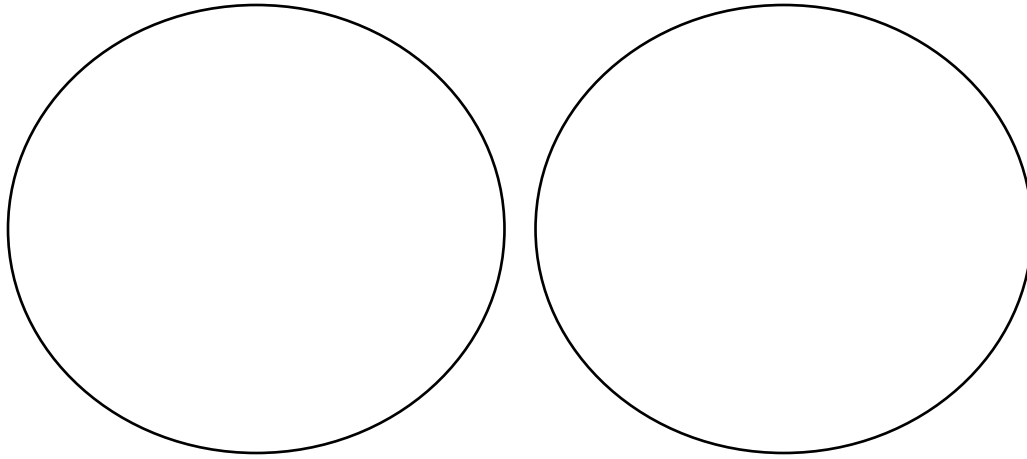
Moving the Focus Back



BI

- The information needed
- At the time needed
- In a more usable format
- Across systems

Every System as XBRL



Across language
Across data definitions
Across file formats

System 1

System 2

System 3

Account#

勘定科目番号

Identificador de la Cuenta

Description

勘定科目説明文

Descripción Principal de la Cuenta

Amount

金額

Monto Monetario

PostDate

転記日付

Fecha de Asignación/Ingreso

Assurance

- Spotlight on the necessary evidence
- Facts needed to agree to/reconcile with
- Lowers barriers to access of information
- Establishment of Seamless Audit Trail



Transforming Business Reporting

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XBRL Global Ledger Taxonomy Files

Files for the XBRL Global Ledger taxonomies are listed below. New implementations should use the XBRL Global Ledger Framework RECOMMENDATION. All future Global Ledger taxonomy development will use this taxonomy as a starting point. Previous Global Ledger taxonomies, including those based on earlier versions of the XBRL specification, are listed below simply for reference purposes.

Spec 2.1 Taxonomy

- [XBRL Global Ledger Framework - with Japanese Labels - PR](#) April 12, 2010

Japanese labels have been produced and the GLTFTA document updated to reflect the new architecture for the taxonomy components that has been designed to accommodate different language labels.

This is now in Proposed Recommendation status, which indicates that it is anticipated that this will also be the final RECOMMENDATION version of the taxonomy. It is therefore in the "Call for Review of a Proposed Recommendation" status.

Once the 45 day review period is over (2010-06-13) the XSB and ISC will be asked to issue it as a RECOMMENDATION.

[XBRL AROUND THE WORLD](#)

QUICK LINKS

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The "VOICE" of XBRL in Europe

[Save the Date for 2010 Conferences](#)

XBRL China to host 21st XBRL International Conference in Beijing, China on 19-22 October 2010

[Technical News](#)

Announcements on new technical developments.

[SEC filing programme](#)

Other Resources

- GaLaPaGoS – Global Ledger Practices Guide for Study

<http://gl.iphix.net>

Webcasts, annotated instance documents and other helps

- XBRL-GL-Public mailing list

–<http://groups.yahoo.com/group/xbml-gl-public>

- Email

–xbmlgl@xbml.org

Questions?



Eric E. Cohen

eric.e.cohen@us.pwc.com



Announcing upcoming webcasts from XBRL Canada